

ITEM/TOPIC	IDOT Standard	TYPE	NEED	Current Test Level	Future Test Level
Steel Railing, Type SM with Concrete Wearing Surface	R-34CWS	Bridge	Testing	NCHRP 350 TL 4	MASH TL 4
Variation of Steel Railing, Type SM	R-34CWSC	Bridge	Testing	NCHRP 350 TL 4	MASH TL 4
Variation of Steel Railing, Type SM	R-34HMAWS	Bridge	Testing	NCHRP 350 TL 4	MASH TL 4
Bicycle Railing (Parapet Mounted)	R-39	Bridge	Testing	NCHRP 350 TL 2	MASH TL 2
Concrete Bridge Railing TL-4	R-39	Bridge	Testing	NCHRP 350 TL 4	MASH TL 4
Parapet Railing	R-29	Bridge	Research	None	MASH TL 4
Parapet Railing	R-33	Bridge	Research	None	MASH TL 4
Typical Sidewalk Railing Detail for Posted Speeds < 45 mph		Bridge	Research	None	MASH TL ?
Steel Railing, Type S-1	R-23A	Bridge	Testing	NCHRP 350 TL 2	MASH TL 2
Steel Railing, Temporary	R-25	Bridge	Testing	NCHRP 350 TL -2	MASH TL 2
Concrete Median Barrier (Cast in place)	N/A	Roadside	Research	None	MASH TL 5
Concrete Median barrier with light pole on barrier	N/A	Roadside	Testing	None	MASH TL 3-5
W-Beam guardrail behind curb (6")	630001-11	Roadside	Testing	None	MASH TL 3
W-Beam guardrail non blackout transition and additional cases	630006	Roadside	Testing	None	MASH TL 3
Short Radius Guardrail	N/A	Roadside	Testing	None	MASH TL 3
Temporary Concrete Barrier	704001-08	Roadside	Testing	NCHRP 350 TL 3	MASH TL 3

Ongoing Research at IDOT	Researcher	State
MASH TL 4 Side Mounted Bridge Rail and a MASH TL 3 Transition	Midwest Facility	Illinois & Ohio